

#5



Attorney's Docket No.: 42390.P6761

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Callum

Examiner: Christopher A. Revak

Application No. 09/306,227

Art Unit: 2131

Filed: 05/06/1999

RECEIVED  
MAY 29 2003

Technology Center 2100

For: METHOD AND APPARATUS TO  
VERIFY CIRCUIT OPERATING  
CONDITIONS

**FIRST CLASS CERTIFICATE OF MAILING**  
I hereby certify that this correspondence is being deposited  
with the United States Postal Service as first class mail  
with sufficient postage in an envelope addressed to  
Commissioner for Patents, P.O. Box 1450, Alexandria VA  
22313-1450  
on 05/23/2003 Date Edy L. Steinkraus

Commissioner For Patents  
Alexandria VA 22313-1450

SUBMISSION OF FORMAL DRAWINGS

Sir:

Applicants respectfully submit five sheets of drawings as follows: Figs. 1, 2, 3,  
4, and 5.

If the Examiner believes a telephone conference would expedite or assist in  
the allowance of the present application, the Examiner is invited to call John Ward at  
(408) 720-8300.

Authorization is hereby given to charge our Deposit Account No. 02-2666 for any  
charges that may be due.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Date: 05/23/2003

John P. Ward  
John P. Ward, Reg. No. 40,216

12400 Wilshire Boulevard  
Seventh Floor  
Los Angeles, CA 90025-1026  
(408) 720-8300

09/306227

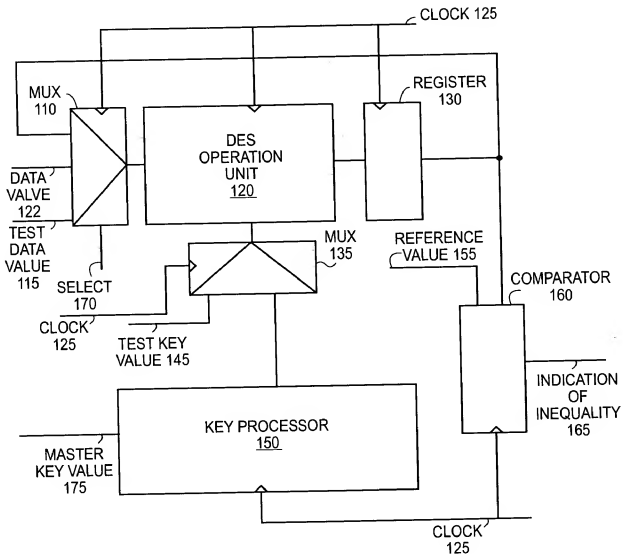
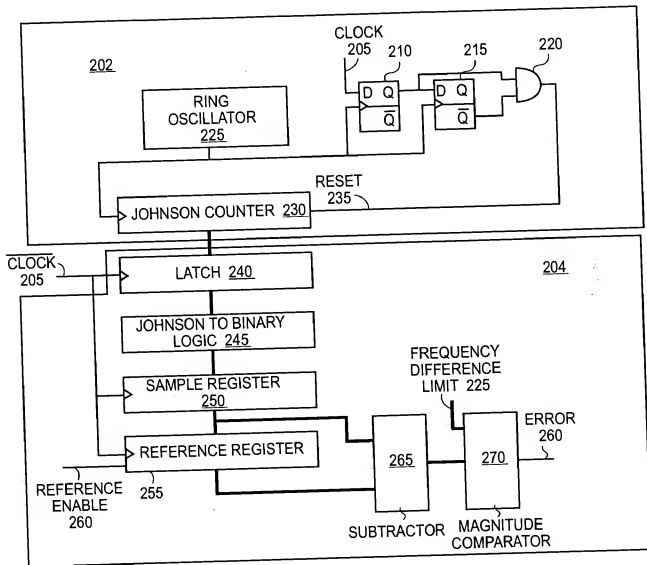


FIG. 1

09/306,227



200

FIG. 2

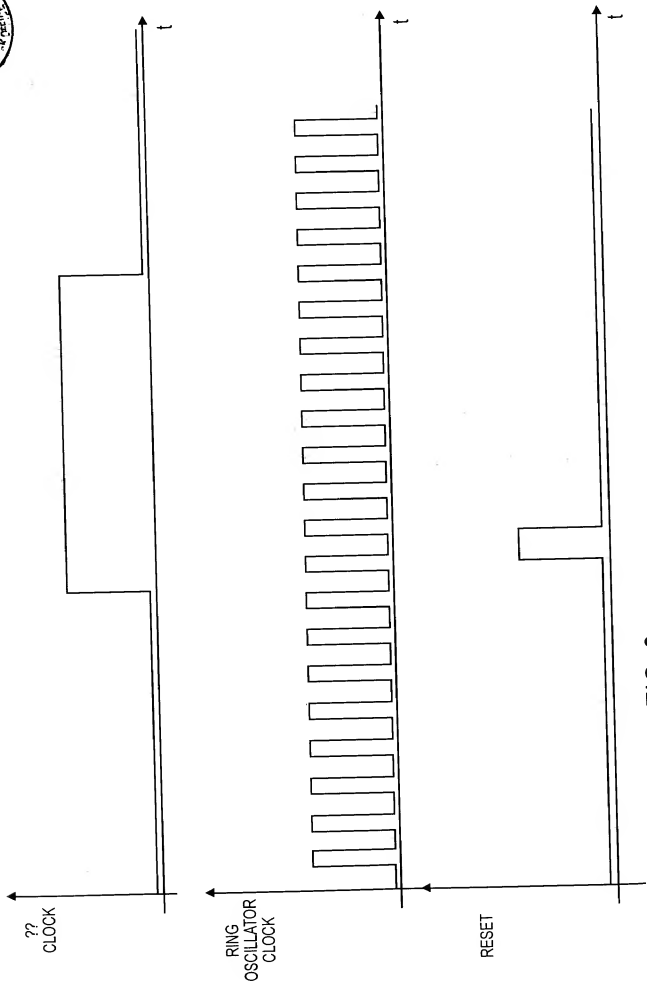


FIG. 3

09/306227



SELECT TEST DATA VALUE FOR INPUT TO DES UNIT 410	SELECT TEST KEY VALUE FOR INPUT TO DES UNIT 420	PROCESS N ROUNDS DES OPERATION 430	STORE TEST RESULT IN REGISTER 440	CLOCK
COMPARE TEST RESULT WITH REFERENCE VALUE 450	OUTPUT INDICATION OF EQUALITY OF TEST RESULT AND REFERENCE VALUE 460	SELECT DATA VALUE FOR INPUT TO DES UNIT 470	SELECT KEY VALUE FOR INPUT TO DES UNIT 480	CLOCK
SELECT TEST DATA VALUE FOR INPUT TO DES UNIT 415	SELECT TEST KEY VALUE FOR INPUT TO DES UNIT 425	PROCESS N ROUNDS DES OPERATION 435	PROCESS N ROUNDS DES OPERATION 490	CLOCK

400.

FIG. 4

09/306,227



COMPUTE COUNT CORRESPONDING TO CLOCK PERIOD <u>510</u>	STORE COUNT IN REFERENCE REGISTER <u>520</u>			CLOCK 0
COMPUTE COUNT CORRESPONDING TO CLOCK PERIOD <u>530</u>	SUBTRACT COUNT FROM VALUE IN REFERENCE REGISTER <u>540</u>	COMPARE ABSOLUTE DIFFERENCE WITH LIMIT VALUE <u>550</u>	OUTPUT INDICATION OF WHETHER CLOCK PERIOD IS OUTSIDE LIMITS <u>560</u>	CLOCK 1

500

FIG. 5